



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)

ATTY. DOCKET NO.

20023Y

SERIAL NO.

09/271,098

APPLICANT(S)

REY T. CHERN, ET AL.

FILING DATE

March 18, 1999

GROUP ART UNIT

1615 1616

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
7	2,562,830	7/31/51	Hans Stenzl			
7	3,337,570	8/22/67	Sherlock, et al.			
	3,748,356	7/24/73	Wellinga, et al.			
	3,904,682	9/9/75	Fried, et al.			
	3,950,360	4/13/76	Aoki, et al.			
	4,009,197	2/22/77	Fried, et al.			
	4,072,716	2/7/78	Sauer, et al.			
	4,150,108	4/17/79	Graham			
	4,199,569	4/22/80	Chabala, et al.			
	4,225,598	9/30/80	Brechbuhler, et al.			
	4,233,299	11/11/80	Trummlitz, et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
1.568	<del>EP-0-179-022</del>	<del>4/23/86</del>	<del>EPO</del>				X
	<del>EP-0-508-699</del>	<del>10/14/92</del>	<del>EPO</del>				
97	<del>EP-0-846-686</del>	<del>6/10/98</del>	<del>EPO</del>				
	<del>EP-0-295-117</del>	<del>12/14/88</del>	<del>EPO</del>				
	<del>EP-0-892-060</del>	<del>1/20/99</del>	<del>EPO</del>				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

7	AA	Shah, et al., J. Controlled Release, (1993) 27:139-147
	AB	Lambert and Peck, J. Controlled Release, (1995) 33:189-195
	AC	Shivley, et al., J. Controlled Release, (1995) 33:237-243

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11/1/99

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20023Y

09/271,098

INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)APPLICANT(S)  
CHERN, ET AL.

FILING DATE

3/18/99

GROUP ART UNIT

1616/616

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
2	4,294,753	10/13/81	Urist			
	4,283,400	8/11/81	von Bittera, et al.			
	4,310,519	1/12/82	Albers-Schonberg, et al.			
	4,329,332	5/11/82	Couvreur, et al.			
	4,331,652	5/25/82	Ludwig, et al.			
	4,333,919	6/8/82	Kleber, et al.			
	4,389,330	6/21/83	Tice, et al.			
	4,427,663	1/24/84	Mrozik			
	4,455,256	6/19/84	Urist			
	4,468,390	8/28/84	Kitano			
	4,489,055	12/18/84	Couvreur, et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
7	EP 0 537 559	4/21/93	EPO				
	<del>EP-0-007-812</del>	<del>2/6/80</del>	<del>EPO</del>				
	<del>EP-0-002-916</del>	<del>7/11/79</del>	<del>EPO</del>				
	<del>WO 96/29073</del>	<del>9/26/96</del>	<del>PCT</del>				
7	1 390 336	4/9/75	UK				

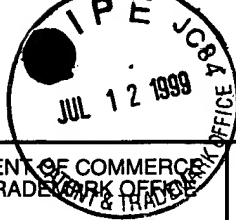
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16151616

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
7	4,526,909	7/2/85	Urist	1		
7	4,526,938	7/2/85	Churchill, et al.			
7	4,530,840	7/23/85	Tice, et al.			
7	4,542,025	9/17/85	Tice, et al.	1		
7	4,563,489	1/7/86	Urist	1		
7	4,596,574	6/24/86	Urist			
7	4,619,989	10/28/86	Urist			
7	4,675,189	6/23/87	Kent, et al.			
7	4,677,191	6/30/87	Tanaka, et al.			
7	4,683,288	7/28/87	Tanaka, et al.			
7	4,686,092	8/11/87	Lok, et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
7	GB 2 140 010	11/21/84	UK				
7	237 086	7/27/93	New Zealand				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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CHERN, ET AL.

FILING DATE

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GROUP ART UNIT

1615 1616

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,742,060	5/3/88	Shiokawa, et al.			
	4,751,225	6/14/88	Nishida, et al.			
	4,758,435	7/19/88	Schaaf			
	4,761,471	8/2/88	Urist			
	4,789,732	12/6/88	Urist			
	4,795,804	1/3/89	Urist			
	4,798,837	1/17/89	Drabek, et al.			
	4,855,317	8/8/89	Gehret			
	4,857,335	8/15/89	Bohm			
	4,857,456	8/15/89	Urist			
	4,859,657	8/22/89	O'Sullivan, et al.			

## FOREIGN PATENT DOCUMENTS

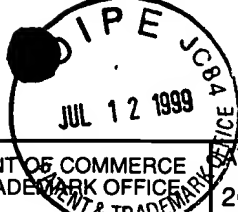
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						YES	NO

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CHERN, ET AL.

FILING DATE

3/18/99

GROUP ART UNIT

1615 / 616

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
7	4,871,719	10/3/89	Maiefisch			
	4,874,749	10/17/89	Mrozik			
	4,894,373	1/16/90	Young			
	4,902,296	2/20/90	Bolander, et al.			
	4,904,478	2/27/90	Walsdorf, et al.			
	4,911,931	3/27/90	Baylink			
	4,916,241	4/10/90	Hayward, et al.			
	4,920,148	4/24/90	Gehret			
	4,921,697	5/1/90	Peterlik, et al.			
	4,931,287	6/5/90	Bae, et al.			
	4,938,763	7/3/90	Dunn, et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

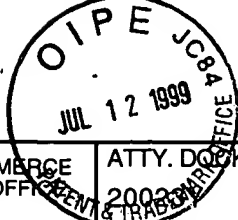
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PATENT AND TRADEMARK OFFICE

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2002

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09/271,098

INFORMATION DISCLOSURE STATEMENT  
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APPLICANT(S)

CHERN, ET AL.

FILING DATE

3/18/99

GROUP ART UNIT

1615 / 6 / 6

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,939,131	7/3/90	Benedict, et al.			
	4,942,157	7/17/90	Gall, et al.			
	4,963,582	10/16/90	Sato, et al.			
	4,973,711	11/27/90	Maienfish			
	4,978,677	12/18/90	Gehret			
	5,055,596	10/8/91	Baker, et al.			
	5,077,049	12/31/91	Dunn, et al.			
	5,077,308	12/31/91	Blizzard			
	5,122,530	6/16/92	Tomioka, et al.			
	5,178,872	1/12/93	Ohtsubo, et al.			
	5,252,701	10/12/93	Jarrett, et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

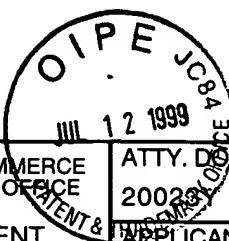
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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11/1/95

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PATENT AND TRADEMARK OFFICE

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200284

SERIAL NO.

09/271,098

INFORMATION DISCLOSURE STATEMENT  
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APPLICANT(S)

CHERN, ET AL.

FILING DATE

3/18/99

GROUP ART UNIT

1615 1616

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,275,820	1/4/94	Chang			
	5,278,201	1/11/94	Dunn, et al.			
	5,278,202	1/11/94	Dunn, et al.			
	5,288,496	2/22/94	Lewis			
	5,324,519	6/28/94	Dunn, et al.			
	5,324,520	6/28/94	Dunn, et al.			
	5,340,849	8/23/94	Dunn, et al.			
	5,368,859	11/29/94	Dunn, et al.			
	5,399,582	3/21/95	Dombrowski, et al.			
	5,401,507	3/28/95	Lewis			
	5,419,910	5/30/95	Lewis			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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CHERN, ET AL.

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1615 1616

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,427,796	6/27/95	Lewis			
	5,447,725	9/5/95	Damani, et al.			
	5,478,564	12/26/95	Wantier, et al.			
	5,487,897	1/30/96	Polson, et al.			
	5,540,912	7/30/96	Roorda, et al.			
	5,567,429	10/22/96	Senbo			
	5,599,552	2/4/97	Dunn, et al.			
	5,599,852	2/4/97	Scopelianos, et al.			
	5,607,686	3/4/97	Totakura, et al.			
	5,609,886	3/11/97	Wantier, et al.			
	5,631,015	5/20/97	Bezwada, et al.			

FOREIGN PATENT DOCUMENTS

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						YES	NO

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GROUP ART UNIT

1615 16/6

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,632,727	5/27/97	Tipton, et al.			
	5,643,595	7/1/97	Lewis			
	5,654,010	8/5/97	Johnson, et al.			
	5,660,849	8/26/97	Polson, et al.			
	5,686,092	11/11/97	Lewis			
	5,700,485	12/23/97	Berde, et al.			
	5,702,716	12/30/97	Dunn, et al.			
	5,702,717	12/30/97	Cha, et al.			
	5,707,647	1/13/98	Dunn, et al.			
	5,711,968	1/27/98	Tracy, et al.			
	5,717,030	2/10/98	Dunn, et al.			

## FOREIGN PATENT DOCUMENTS

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						YES	NO

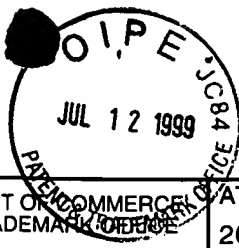
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
2	5,725,491	3/10/98	Tipton, et al.			
2	5,733,566	3/31/98	Lewis			
2	5,733,950	3/31/98	Dunn, et al.			
2	5,736,152	4/7/98	Dunn			
2	5,744,153	4/28/98	Yewey, et al.			
2	5,759,563	6/2/98	Yewey, et al.			
2	5,780,044	7/14/98	Yewey, et al.			
2	5,824,653	10/20/98	Beuvry, et al.			

## FOREIGN PATENT DOCUMENTS

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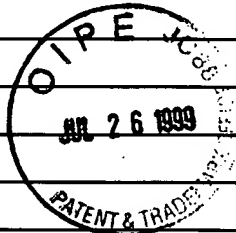
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R. CHERN, ET AL.FILING DATE  
MARCH 18, 1999

GROUP ART UNIT

16/6

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

7	✓	Carrio, et al., Chem. Abstr., 124:37547

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